

OCTOBER 10, 2013 BID LETTING

101 - KBP - THREE MILE DRIVE

-1-

Clarification:

Submitted: Mon, 16-Sep-2013 08:40 MDT

Plan sheets B-16 thru B-18 were inadvertently not updated to reflect minor changes to the Bridge Standard

Drawings (Title Box, Project No.).

Revised plan sheets can be found at the following link: [REVISED BRIDGE](#)

[SHEETS B16-B18](#)

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Clarification:

Submitted: Wed, 25-Sep-2013 11:24 MDT

The water line from station 11+53 to 14+34 is 400 mm HDPE in the summary frame but is noted as 450 mm

HDPE in the profile on sheets WS 8 and WS 9. 400 mm is the correct pipe size.

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Clarification:

Submitted: Mon, 07-Oct-2013 16:14 MDT

Section II - page 25 of 25 - Part 4: Measurement and Payment 4.9 Air

Release Vault - 1st sentence:

county is hereby changed to count.

-1-

Submitted: Fri, 20-Sep-2013 09:21 MDT

Company: LHC, INC

Contact: DAVID STEELY

Question:

On Sheet 25 of the plans with regard to the "Pipe Bedding" detail, Item 1 for the trench backfill states "Granular

Bedding May Be Substituted At No Additional Cost". Since this project falls within the City of Kalispell limits,

their standard street restoration spec requires full gravel import with 3" minus above the MPWSS bedding limits to

the bottom of the street section within the street footprint. Would the State please clarify if we will be required

to follow the City of Kalispell's street restoration requirement for any cross pipes or pipe runs along the edge of

the road or if we are to follow the detail on Sheet 25?

Answer:

Submitted: Wed, 25-Sep-2013 10:10 MDT

The detail on Sheet 25 is to be followed.

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Submitted: Fri, 20-Sep-2013 10:49 MDT

Company: LHC, Inc.

Contact: David Steely

Question:

In the "Sanitary Sewer Collection Systems" specs, Section 02730, page 3 of 3, it states that the contractor is to

"Provide a minimum of one (1) vacuum truck to assist in the draining of lines for connection." This is regarding the new sanitary force main line tie-in. If there is sufficient volume to require more than one vacuum truck, how will the contractor be compensated for the additional truck(s) since we have no way of knowing what the volume/flow is going to be at any given time?

Answer:

Submitted: Thu, 03-Oct-2013 11:44 MDT

The contractor must provide sufficient pumping necessary to make the connections. No additional payment will be made.

The force main conveys the flow from three (3) lift stations:

#19, 91 Blue Crest Drive, 220 GPM

#24, 179 Empire Loop, 250 GPM

#29, 135 Triple Creek Drive, 544 GPM

All of these lift stations connect to the existing force main west of Empire Loop Drive. The relocation will be to the east of this location. Existing Hydraulics Analysis:

Max Flow = 1100 gpm (If all 3 running = 1,010 gpm, If both pumps on at Triple Creek = 1,088 gpm)

-3-

Submitted: Fri, 27-Sep-2013 09:20 MDT

Company: Flathead Concrete Products

Contact: Tom

Question:

The profile view of the storm line seems to show a sump in these structures. Is there a sump?

Answer:

Submitted: Thu, 03-Oct-2013 15:15 MDT

Yes, there is a sump depth of 600 mm in all storm drain structures except for DI-8, MH-1, DI-7, DI-6, and MH-4.

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Submitted: Fri, 27-Sep-2013 15:26 MDT

Company: Pavlik Electric

Contact: John

Question:

There is not a bid item or quantity for the 3/C 14awg signal cable to the photocell. Is this item to be considered part of the photocell assembly or will a bid item and quantity be provided by MDT?

Answer:

Submitted: Wed, 02-Oct-2013 10:24 MDT

The costs of the photoelectric control and associated conductors are included in the bid

Item #617612000, ServAssembly-200 Amp.

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Submitted: Fri, 27-Sep-2013 15:44 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

On sheet 3 of the plans in the notes - Crushed Agg. Support it states "The cost of crushed aggregate course under concrete valley gutter will be included in the unit price bid for plant mix bituminous surface."
Is the cost of this gravel really incidental to the plantmix or should it be included in the cost of the concrete valley gutter?

Answer:

Submitted: Wed, 02-Oct-2013 10:22 MDT

The cost of the crushed aggregate course under the concrete valley gutter is included in the bid price for
Item #609200000, Gutter-Concrete Valley.

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Submitted: Fri, 27-Sep-2013 16:34 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

Sheet 27 of the plans - Edge Drain Details shows a detail for concrete slope drains. How many are required for this project, what location are they installed at, and what bid item are these paid under. SP 41 does not list these under the measurement and payment.

Answer:

Submitted: Wed, 02-Oct-2013 10:25 MDT

There are no concrete slope drains on this project.

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Submitted: Sun, 29-Sep-2013 13:05 MDT
Company: Cretex
Contact: Mike Pardy

Question:

Per the proposal, "The work begins on the effective date stated in the "Notice to Proceed" and is to be completed in 180 Working Days." What is the effective start date for the project?

Answer:

Submitted: Wed, 02-Oct-2013 10:30 MDT

The Notice to Proceed for this project will be April 1, 2014.

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Submitted: Mon, 30-Sep-2013 09:31 MDT
Company: LHC, Inc.
Contact: David Steely

Question:

Sheet WS 9 (Water Main Plan & Profile) shows the new HDPE main as 450mm. The summary sheet WS 3 & the bid item is shown as 400 mm. Would the State please clarify the correct size?

Answer:

Submitted: Wed, 02-Oct-2013 10:27 MDT
See Clarification # 2.

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Submitted: Mon, 30-Sep-2013 15:23 MDT
Company: Mark Buck Construction, Inc.
Contact: Mark

Question:

Reference: Plan sheet B11, Elevation, Center-line Roadway at Center-line Brg.

Can Concrete Bid Item 551-175-000 be completed in 2 separate pours at the Center-line of Roadway?

Answer:

Submitted: Thu, 03-Oct-2013 13:12 MDT
Bid the project as one pour as indicated in the plans.

-10-

Submitted: Tue, 01-Oct-2013 11:52 MDT
Company: LHC, INC
Contact: DAVID STEELY

Question:

On Sheet WS 9 there is a note for "100 mm Insulation Board STA 14+12.4 to 14+36.4". Is this incidental to the 400 mm HDPE bid item 603 584 331 since there is no separate bid item for the insulation board? Would the State also please clarify what is the minimum width of coverage required over top of the 400 mm HDPE pipe.

Answer:

Submitted: Mon, 07-Oct-2013 15:08 MDT
The insulation board is 1220 mm (4 feet) wide, centered along the pipe and is incidental to the 400 mm HDPE bid item.

-11-

Submitted: Tue, 01-Oct-2013 12:05 MDT
Company: Schellinger Constructin Co., Inc.
Contact: Marc Blanden

Question:

Special Provision 27 - Manhole and Water Valve Box Adjustments states "Adjust manholes an water valve boxes, in accordance with the Concrete Collar Detail in the Construction Plans and the City of Kalispell requirements, after paving has been completed.....payment for the completed and accepted quantities is made under the following: Adjust Manhole - Each and Adjust Valve Box - Each. Are the manholes and valves listed in the summaries on Sheet 15 of the plans the only manholes and valves that will require the concrete collar as detailed on Sheet WS 6?

Answer:

~~Submitted: Wed, 02-Oct-2013 11:30 MDT
All adjusted or new manholes or water valve boxes within the new pavement or concrete surface areas require a concrete collar as detailed on sheet WS 6.~~

Revised Answer:

Submitted: Wed, 09-Oct-2013 15:00 MDT
Yes - all manholes require collars regardless of location.

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Submitted: Wed, 02-Oct-2013 08:18 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

The new water and sewer main will be installed across the future bypass alignment, will these trenches be required to be backfilled with 3" subbase material per the Utility Trench Section (Road Crossing) on Sheet WS 6 of the plans?

Answer:

Submitted: Wed, 02-Oct-2013 10:29 MDT
Yes.

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Submitted: Wed, 02-Oct-2013 08:22 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

Is removal of existing water and sewer pipe required in the areas where the pipe is abandoned and crosses the future bypass alignment? If so what bid items is this paid under and what sections of pipe are required to be removed?

Answer:

Submitted: Mon, 07-Oct-2013 15:15MDT
Any existing water or sewer mains remaining after roadway excavation may be abandoned in place.

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Submitted: Wed, 02-Oct-2013 08:23 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

Is bedding material that is required for the installation of the new water and sewer paid for under item 207 200 090 Granular Bedding?

Answer:

Submitted: Mon, 07-Oct-2013 14:59 MDT
No, bedding material and trench excavation for water and sanitary sewer are not measured for payment.
Include these costs in associated bid items.

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Submitted: Wed, 02-Oct-2013 08:24 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

Is 3" minus crushed subbase material, that is required for trench backfill on utility road crossings paid for under item 203 220 000 Special Borrow? If so how is it measured for payment?

Answer:

Submitted: Mon, 07-Oct-2013 15:07 MDT

Include all costs associated with the 75mm minus crushed subbase material in the associated utility line bid items.

-16-

Submitted: Wed, 02-Oct-2013 08:30 MDT

Company: Schellinger Construction Co., Inc.

Contact: Marc Blanden

Question:

There appears to be multiple areas where the new storm drain alignment and the existing gas line are in conflict.

Will this gas main be relocated, as part of the utility relocations, outside of the storm drain alignment?

When would MDT anticipate that this relocation would be completed?

Answer:

Submitted: Thu, 07-Oct-2013 13:30 MDT

This gas will be relocated. See Special Provision # 15 for timing.

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Submitted: Wed, 02-Oct-2013 08:46 MDT

Company: Schellinger Construction Co., Inc.

Contact: Marc Blanden

Question:

The Detour Summary on Sheet 33 of the plans shows 22.5 M of 600mm Drain pipe.

This drain pipe does not

appear in the plan or profile view. Where is this pipe to be installed as part of the detour construction?

Answer:

Submitted: Wed, 02-Oct-2013 10:31 MDT

This drain pipe is not needed with the detour.

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Submitted: Wed, 02-Oct-2013 12:52 MDT

Company: LHC, INC

Contact: DAVID STEELY

Question:

Sanitary Sewer Collection System, Section 02730, Part 4:

Measurement And Payment, 4.10 "Modify Existing Manhole" (bid item 604 190 000) lists all of the work

required for the tie-in of the new force main to this existing manhole.

Would the State please clarify what work

is to be included for bid item 603 806 030 "Connect To Existing Manhole"

since both of these items appear to be

referring to the same manhole. Thank you!

Answer:

Submitted: Mon, 07-Oct-2013 15:37 MDT

Section II Part 4: Measurement and Payment 4.10 Modify Existing Manhole A. is hereby replaced with the following:

Modify Existing and Connect Existing Manhole. Measurement of the modify and connect existing manhole is by

numerical count. Payment is made at the contract unit price bid each, which includes furnishing and installing the ductile iron pipe, ductile iron fittings, mechanical modular seals, coring existing manhole, thrust restraints, plugging existing pipe, all excavation, backfill, and special compaction required for the installation, connection and all other work necessary or incidental for completion of these two bid items.

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Submitted: Wed, 02-Oct-2013 15:24 MDT
Company: Schellinger Construction Co., Inc.
Contact: Marc Blanden

Question:

The notes under the summaries for Fire Hydrant and Miscellaneous Items - Water Line on Sheet WS 3 of the plans state "Includes....New Valves...".

It appears by the quantities included for items 603 901 501 - Valve-Gate 150 mm W/box, 603 610 210 - Valve-Gate 200mm W/box, and 603 903 010 - Valve-Gate 300 mm W/box that these valves are paid for separately and not included in the hydrant items. Is this correct?

It also appears that the quantity for 150 mm gate valves should only be a quantity of 1 instead of 2. There is only one shown on the fire hydrant lead on Water Main Connection Detail #2.

Answer:

Submitted: Mon, 07-Oct-2013 15:57 MDT

The answer to part one is yes.

The answer to the second part is "The 150 mm gate valve for the fire hydrant lead line is included in the bid price for fire hydrants, 601 300 000. There are two (2) 150 mm valves that are to be installed on the Sewer Force Main, per detail on WS 12. These are the two that are paid for."

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Submitted: Thu, 03-Oct-2013 13:08 MDT
Company: LHC, INC
Contact: DAVID STEELY

Question:

In Section 02660, Water Distribution Systems and Section 02730, Sanitary Sewer Collection Systems, there is reference to "Pipeline Markers" & "Pipeline Markers And Test Stations". Would the State please provide a detailed drawing of what these items look like and/or a list of possible manufacturers.

Answer:

Submitted: Wed, 09-Oct-2013 10:58 MDT

The Department does not require a specific utility marker or provide a specific detail. The Department will accept visible, three (3) sided utility markers, 72" in height, to clearly identify the buried utility locations. Furnish utility markers constructed of HDPE material.

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Submitted: Thu, 03-Oct-2013 15:08 MDT

Company: Schellinger Construction Co., Inc.

Contact: Marc Blanden

Question:

Could MDT please provide a detailed drawing for the pipe line markers and test stations that are required for both the water and sewer mains?

Answer:

Submitted: Wed, 09-Oct-2013 14:54 MDT

A detail drawing is not available. Please meet the requirements as detailed in the answer to Question 20 above.

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Submitted: Fri, 04-Oct-2013 08:19 MDT

Company: Schellinger Construction Co., Inc.

Contact: Marc Blanden

Question:

The detail for the Air Release Vaults on Sheet WS 5 shows a concrete collar being poured around the castings.

All of these manholes are located outside of the roadway and are in the topsoiled areas, will they still require concrete collars?

Answer:

Submitted: Wed, 09-Oct-2013 15:03 MDT

Yes - all manholes require collars regardless of location. The answer to Question 11 will be amended to the same answer.

-23-

Submitted: Fri, 04-Oct-2013 08:31 MDT

Company: LHC, INC

Contact: DAVID STEELY

Question:

Follow up to question 20. Would the State please clarify what size you would like for these "Pipeline Markers" &

"Pipeline Markers And Test Stations"? Apparently they range in size from 54" to 90".

Answer:

Submitted: Tue, 08-Oct-2013 11:05 MDT

The Markers and Pipeline Test Stations are 72".

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Submitted: Fri, 04-Oct-2013 12:09 MDT

Company: TEG Engineering, LLC

Contact: Aaron Vander Veen

Question:

For MSE wall design, the contract plan documents/special provisions do not provide the applied lateral loads caused by the bridge abutment. Please provide the bridge abutment horizontal loads to be accounted for in the MSE wall design.

Answer:

Submitted: Tue, 08-Oct-2013 11:04 MDT

The bridge is a simple span and longitudinal lateral loads are designed to be resisted by passive earth pressure from the abutments into the embankment. Very little lateral loads will be transferred to the MSE walls, but will be resisted by the earth pressure at the opposite end of the bridge.

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Submitted: Fri, 04-Oct-2013 12:21 MDT

Company: TEG Engineering, LLC

Contact: Aaron Vander Veen

Question:

The bottom of the bridge abutment is approximately 4.7 ft. (excludes the footing soil keyway) below the top of the MSE/Precast Wall panel, and approximately 5 ft. behind the back face. What are the intentions for the MSE wall reinforcement and panel anchor block connection in this area? The geometry will not allow for placement of the reinforcement in this area.

Will there be soil mats attached to the back of the abutment?

Will the anchor block connection need to be placed below the abutment? Will this area need to be reinforced or

will it just be considered as surcharge? Please advise.

Answer:

Submitted: Tue, 08-Oct-2013 15:29 MDT

The final design of the MSE Wall and panel veneer is to be provided by the wall supplier. Preliminary design is shown on sheets 21, and 22 of the plans. Section A-A on sheet 22 shows the main wall reinforcing located below the bridge abutment footing. Final configuration of the soil reinforcing is at the discretion of the MSE wall supplier/designer as long as it conforms with the project plans and special provisions. Containment reinforcing is shown between the concrete abutment and the top face of veneer wall panel, and neither requires nor prohibits tying into the abutment concrete. Final design needs to address reinforcing layout and veneer attachment to meet all the design requirements listed in the special provisions.

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Submitted: Fri, 04-Oct-2013 12:33 MDT

Company: TEG Engineering, LLC

Contact: Aaron Vander Veen

Question:

The Special Provisions specify an Ultimate Bearing Capacity of 5013 psf or an Allowable Bearing Capacity of

2005.2 psf (FS = 2.5). Based on preliminary MSE wall designs, the applied bearing pressure(s) resulting from

the MSE wall and the bridge abutment (5582 psf) exceed the allowable bearing capacity given.

Please confirm the foundation bearing capacity specified and/or will foundation improvements be required?

Also, please provide the maximum wind speed or the applied suction load for the MSE wall design.

Answer:

Submitted: Wed, 09-Oct-2013 08:38 MDT

The MSE wall designer is responsible to evaluate the capacity of the native soil supporting the MSE fill.

Contractor is responsible to comply with MSE wall special provision H-4 and excavate the base of the entire

MSE fill down to "competent (dense) glacial till". Modify the table presented in section B-4 of the MSE wall

special provision as follows: 1) Replace the column title for "UNDRAINED SHEAR STRENGTH" with

"EFFECTIVE COHESION", 2) Delete the entire column for "ULTIMATE BEARING CAPACITY". The MSE

fill has been evaluated and is capable of supporting an abutment footing surcharge of 185 kPa as stated in

section C-12 of the MSE wall special provision, and up to a max allowable pressure (LL+DL) of 200 kPa as

stated on bridge plan sheets B6 and B11.

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Submitted: Mon, 07-Oct-2013 08:28 MDT

Company: Macon Supply

Contact: Jeff Monaco

Question:

Can PVC waterstop be used in place of the neoprene waterstop?

Answer:

Submitted: Tue, 08-Oct-2013 11:03 MDT

A PVC waterstop is not allowed. A neoprene waterstop as shown on the plans is required.

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Submitted: Mon, 07-Oct-2013 09:27 MDT

Company: LS Jensen

Contact: Jared Lockye

Question:

I just wanted to verify that quantity of unclassified excavation of bypass pond & subgrade grading (61,350 m3),

is included in the overall grading quantity (63,499 m3).

Answer:

Submitted: Wed, 09-Oct-2013 14:57 MDT

Yes, the quantity of unclassified excavation of bypass pond & subgrade grading (61,350 m3), is included in the overall grading quantity (63,499 m3).

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Submitted: Mon, 07-Oct-2013 10:02 MDT

Company: Schellinger Construction Co., Inc.

Contact: Marc Blanden

Question:

Is the excavation that is required for the reinforcement tie-back on the MSE wall included in the excavation

quantities in the Additional Grading Summary on Sheet 15 of the plans?

Answer:

Submitted: Tue, 08-Oct-2013 11:03 MDT
No. Excavation required for MSE wall reinforcement tie-back is included in the cost of the DSGN, CNST MSE
WALL-CONC PANEL bid item.

102 - SF 109 - GUARDRAIL HUNGRY HORSE DAM ROAD

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Submitted: Mon, 07-Oct-2013 09:59 MDT

Company: HIGHWAY SPECIALTIES INC

Contact: Kerry Gray

Question:

Detailed drawing 606-50 and 606-55 A&B show widening 2 feet behind the rail and the rail 2 ft from the the edge of the travel lane, the width of the road does not appear to be wide enough to allow this. In special provision

10. D, does the diagonal measurement include the soil plates? Thanks.

Answer:

Submitted: Tue, 08-Oct-2013 11:01 MDT

Widening 2' behind the rail will not be possible on this project. Face of rail will be placed 1' from the travel lane.

Soil plates will not be required in areas where posts are pre-bored.